

# NOVEMBER

at the

## CALIFORNIA ACADEMY OF SCIENCES

### NOVEMBER MEETING

Date: Tuesday, November 22, 8:15 p.m.  
Place: Morrison Auditorium  
Speaker: William A. Anderson  
Subject: "DESIGNS FOR SURVIVAL"

In this third of the series of 1960-61 Audubon Screen Tours, Mr. Anderson has produced a striking film which reveals the wisdom of Nature's intricate balance in equipping animals to cope with their particular environment in order to survive.

Among the many unusual animals to be seen in this film is the Angler Fish, with its built-in fishing pole and bait, as well as an unlikely-looking "roving zoological garden" moving across the bottom of the ocean in search of prey. You will enjoy a visit with an unforgettable Osprey family and a most strange glow-worm of the sea. This promises to be an interesting, educational and entertaining evening. (Members and guests)

### MORRISON PLANETARIUM

"THE RIDDLE OF TIME AND THE TIDES", an examination of the interesting and predictable influences exerted by celestial bodies upon the earth, extends through December 11. Performances daily, Tuesday through Sunday, at 3:30 and 8:30 p.m., with an extra matinee at 2:00 on Saturdays and Sundays, and on November 11, 24 and 25. No evening performance on Tuesday. (Adults, 75¢, Juniors, 40¢)

### SPECIAL EXHIBITS

"DESIGN IN NATURE", a collection of 200 enlarged color microphotographs by Stennett S. Heaton, of beetles, butterflies, fish and reptiles. The nucleus of the exhibit was designed by the Junior Center of Art and Science, Oakland. On display November 13 through January 1, 1961, in Lovell White Hall.

"LOOK TO THE MOUNTAINS", an exhibit dealing with glaciation during the Ice Age in California. Photographs, charts and drawings in color by R. W. Davis. (Admission free)

### "SCIENCE IN ACTION"

Monday nights, 7:00 p.m., KRON-TV, Channel 4

Nov. 7: "Man in Africa", with Guest Scientist, Dr. Marston Bates, University of Michigan.

Nov. 14: "Teen-age Medicine", with John J. Piel, M.D., Children's Hospital, San Francisco.

Nov. 21: "Fuels of the Future", with Nobel Laureate Dr. Glenn T. Seaborg, and Dr. Tom Pigford, University of California.

Nov. 28: "Space Geography", with Dr. Paul Routley, Pomona College.

## NEWS and NOTES . . . . .

The President of the Board of Trustees has announced the election of the following as Honorary Members of the Academy: Dr. Enrique Beltran, Dr. Anton F. Bruun, Dr. Joel H. Hildebrand, Dr. Clark Kerr, Dr. Glenn T. Seaborg, Dr. J. Wallace Sterling, Dr. Otto Struve and Dr. Gunnar Thorson.

Mr. Charles Webber of San Leandro has presented the Academy with an impressive and important gift of 9,913 photochrome slides, the result of many years of painstaking color photography. Primarily, the slides are of botanical subjects, particularly close-ups of wildflowers, the most of which were photographed in the National Parks, National Monuments and State Parks of the western United States. Also included are many photographs of animals and birds.

Steinhart Aquarium has been resounding with the unmistakable chatter of jackhammers since the lengthy process of rehabilitation has begun. As of now, the exhibition area in Steinhart is one-sixth closed. According to current plans, the entire display area will not be completely shut until June or July of 1961, with the "grand reopening" of the new Steinhart scheduled for March, 1962.

His Royal Highness, Crown Prince Akihito of Japan, chose the Academy as one of the few places to visit during his brief stay in the Bay Area during the latter part of September. The Prince shares an enthusiasm for ichthyology with his father, the Emperor, and prior to his departure from Japan, had indicated that a visit to Steinhart Aquarium be given a preferential position on his American agenda.

He was greeted at the Academy by Dr. Robert C. Miller, Dr. Joel Gustafson, Dr. Earl Herald and other members of the Academy staff.

Mrs. John Weaver, formerly associated with the Raymond Foundation of the Chicago Natural History Museum, has been appointed head of the Student Section. As an additional duty, Mrs. Weaver will process school requests for information and sources of information other than those directed to the Planetarium.

### YOU CAN HELP THE ACADEMY

by sending in your 1961 Membership dues now. Our office staff would be glad and grateful for any remittance received before the end of the year when pressures mount. In advance, we thank you.

The high light of the recent dinner given at the Academy for the Drake Navigators Guild was the presentation of an exceedingly rare and valuable volume as a gift to the Mailliard Library by Mr. Robert D. Marshall of Point Reyes and San Francisco. The book, one of an only edition entitled "Caroli Clusii Artreb. aliquot notae in Garciae Aromatum Historium...que a Francisco Drake...Antverpiae, ex Christophori Plantini, M.D. LXXXII", was the first to be published relating to Sir Francis Drake's voyage around the world, and consists of four contemporary works bound in a blue slip-case, one-half blue morocco leather, bearing the title in English, "Clusius. Botony of Sir Francis Drake. 1582."

Clusius (by his French name, Charles de L'Ecluse) was the most celebrated botanist of his time.

Dr. Robert C. Miller was one of 30 eminent professional men who were invited to attend a "Conference on the Problems of Education in Science and Technology" which was held at Carmel, California, October 6-8. The conference was under the auspices of the University of California Extension Division.

C. Don MacNeil, Assistant Curator in the Department of Entomology, has recently received his Ph. D. from the University of California at Berkeley. The subject of his doctoral dissertation was "The Skippers of the genus *Hesperia* in Western North America, with special reference to California."

The Astronomy Section announces a "Star Party" for section members and their guests, Saturday, November 19 at 2:00 p.m. The group will meet in the picnic area at the summit of Mt. Tamalpais, have a picnic (each supplies his own) and at sundown, begin an observing session which will last through the evening . . . all this, of course, weather permitting.



## Meet the Staff



**ROBERT T. ORR**, Curator of the Department of Birds and Mammals, could be considered "The Compleat San Franciscan", having been born, educated, married, and occupied professionally during his lifetime in San Francisco or its immediate environs. He received his B.S. in Biology from the University of San Francisco and Ph. D. degrees in Zoology from the University of California at Berkeley.

His initial association with the Academy as Assistant Curator began in 1936. Subsequently, he progressed to the position of Associate Curator (1944), and the year following, to Curator of the Department. Since 1942, Dr. Orr has divided his duties at the Academy with those of professor in the Department of Biology at USF. As if this were not enough, he has found time to publish extensively in his field, play host on the Academy's TV program, "Explorers of Tomorrow", indulge his avid interest in mycology (a compulsion he shares with Mrs. Orr), serve on boards of numerous national scientific organizations (he just completed a two-year term as President of the American Society of Mammalogists), and - as a personal fillip - been active in Bay Area Little Theatre groups.

His and Mrs. Orr's interest in mushrooms and fungi is not a casual thing. Jointly, they are soon to publish a "Handbook of Fleshy Fungi of the Bay Area". In the spring of 1961, Dr. Orr's name will appear as author of a "Textbook of Vertebrate Zoology", published by W. B. Saunders Company.

Next undertakings: completion of a manuscript on "The Birds of Lake Tahoe" (a project of the late James Moffitt at the time of his death), and continuing earlier studies on the taxonomy and natural history of bats.

## NEW MEMBERS OF THE ACADEMY

### REGULAR MEMBERSHIP

Mr. John S. Alley	Mr. Walter H. Johnson
Mrs. Henry A. Alrich	Mr. Peter John Karber
Mr. S. Paul Boberg	Mrs. Miny T. Knatvold
Mr. Robert E. Burton	Dr. Ruth Kreiss
Dr. John N. Callander	Mr. Harold L. Levy
Dr. Vernon V. Casey	Mr. L. William Nemeth
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Mr. Paul F. Covel	Dr. Joan E. Rosenau
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Mr. Arthur A. Eto	Miss Louise Thompson
Mrs. Irving C. Frank	Mr. Raymond L. Ulrich
Mr. Howard L. Harrison	Mr. John W. Varney
Dr. Donald M. Hayes	Mr. Robert J. Voorhees
Miss Beatrice Howitt	Mr. Kenneth R. Walker

### FAMILY MEMBERSHIP

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Mr. Harold K. Baxter	Dr. David Haskin
Mr. Russell Bengson	Mr. Tom Hutton
Mr. James F. Bergseng	Dr. Edmund D. Jung
Dr. Maleta J. Boatman	Mr. Albert W. Krause
Mr. Johnson Clark	Dr. Paul Levatin
Mr. Richard Cohan	Dr. Don C. Musser
Dr. Jonathan S. Dixon	Mr. Ralph W. Ready
Dr. Harold J. Eisenberg	Dr. Edward J. Smith
Dr. Charles C. Fahlen	Miss Alice L. Sousa
Mr. Weston B. Farrand	Dr. M. G. Steadman
Mr. David Forslund	Mr. A. F. Turman
Mrs. R. A. Geer	Dr. Herbert E. Vandervoort
Mr. John S. Greene	Dr. Dallas L. Wagner
Mr. William J. Westbrooke	

### FELLOW

Mr. Willis C. Day

### PATRON

Mr. Andrew Sorensen

### LIFE MEMBERSHIP

Mr. Malcolm C. Williams

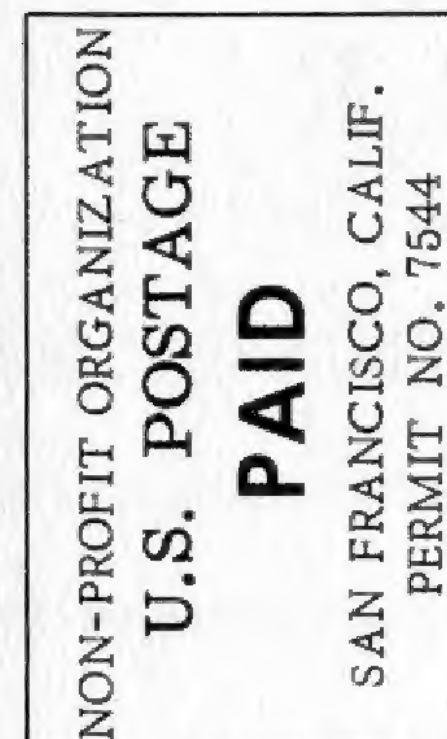
### STUDENT MEMBERSHIP

James M. Brunner, Jr.	Mike Mannion
Kenneth Freiberg	Verne C. Pessner
Dennis Kuba	Dale Weibel

THE CALIFORNIA ACADEMY OF SCIENCES  
GOLDEN GATE PARK  
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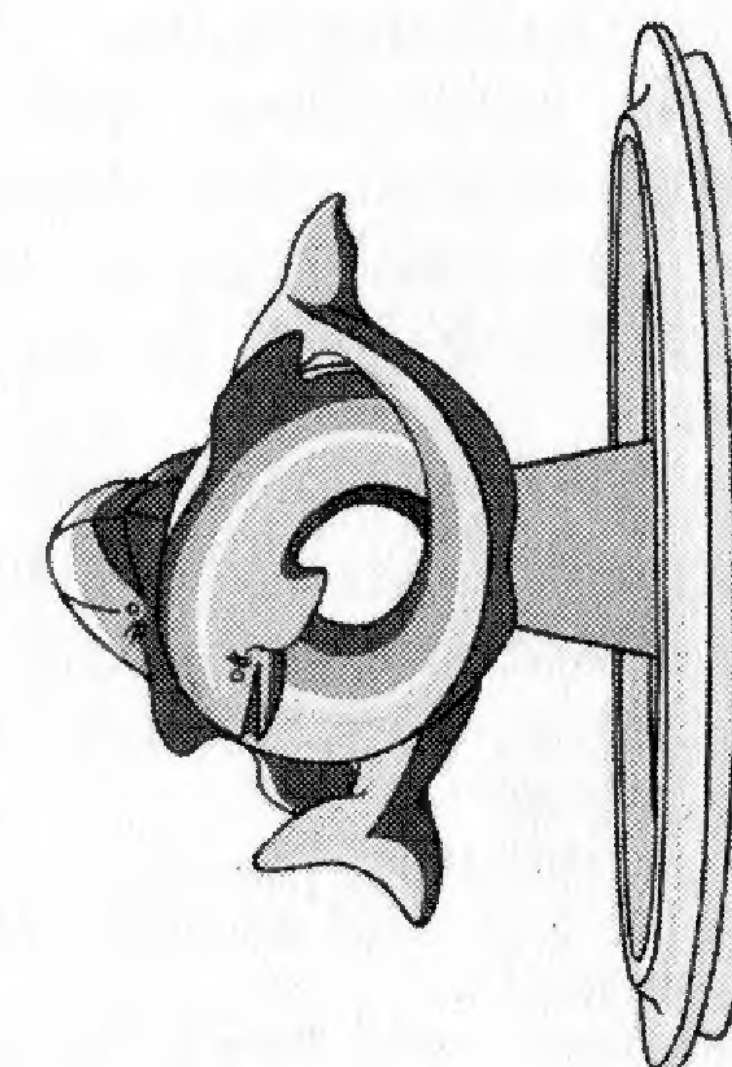
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